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=> s anion(W)exchange and plasmid#

L1 513 ANION(W) EXCHANGE AND PLASMID#

=> s hydrophobic(W)chromatography

L2 1837 HYDROPHOBIC(W) CHROMATOGRAPHY

=> s L1 and L2

L3 0 L1 AND L2

=> s L2 and plasmid#

L4 28 L2 AND PLASMID#

=> d L4 1-28

L4 ANSWER 1 OF 28 WPIDS COPYRIGHT 1998 DERWENT INFORMATION LTD
AN 94-071005 [09] WPIDS
DNC C94-031742
TI Prepn. of human serum albumin - by culturing cells transformed with
a **plasmid** contg. AOX1 promoter and HSA gene.
DC B04 D16
PA (GREC) GREEN CROSS CORP
CYC 1
PI JP 06022784 A 940201 (9409)* 11 pp C12P021-00
ADT JP 06022784 A JP 92-203208 920708
PRAI JP 92-203208 920708
IC ICM C12P021-00
ICA C12N015-14; C12N015-81
ICI C12P021-00, C12R001:

L4 ANSWER 2 OF 28 WPIDS COPYRIGHT 1998 DERWENT INFORMATION LTD
AN 93-136892 [17] WPIDS
DNC C93-061022
TI Human alanine-amino-transferase gene fragments - used as marker in
diagnosing hepatic diseases.
DC B04 D16
PA (KAGA) KAGAKU OYOBI KESSEI RYOHO KENKYUSHO
CYC 1
PI JP 05068548 A 930323 (9317)* 15 pp C12N009-10
ADT JP 05068548 A JP 91-222318 910806
PRAI JP 91-222318 910806
IC ICM C12N009-10
ICS C12N015-54
ICA C12N001-19; C12Q001-68
ICI C12N009-10, C12R001:865

L4 ANSWER 3 OF 28 WPIDS COPYRIGHT 1998 DERWENT INFORMATION LTD

AN 89-334997 [46] WPIDS
 DNN N89-254766 DNC C89-148423
 TI Recovery of protein esp. human 1L-1 beta or GM-CSF - involves inserting recombinant vector downstream of gene coding single peptide.
 DC B04 D16
 PA (SAKA) OTSUKA PHARM CO LTD
 CYC 1
 PI JP 01222794 A 890906 (8946)* 4 pp
 PRAI JP 88-47323 880229
 IC C12N015-00; C12P021-02; C12R001-19

L4 ANSWER 4 OF 28 BIOSIS COPYRIGHT 1998 BIOSIS
 AN 97:452622 BIOSIS
 DN 99751825
 TI Thermoalkalophilic lipase of *Bacillus thermocatenulatus* large-scale production, purification and properties: Aggregation behaviour and its effect on activity.
 AU Luisa Rua M; Schmidt-Dannert C; Wahl S; Sprauer A; Schmid R D
 CS Inst. Technische Biochem., Univ. Stuttgart, Allmandring 31, D-70569 Stuttgart, Germany
 SO Journal of Biotechnology 56 (2). 1997. 89-102. ISSN: 0168-1656
 LA English

L4 ANSWER 5 OF 28 BIOSIS COPYRIGHT 1998 BIOSIS
 AN 94:530973 BIOSIS
 DN 97543973
 TI Expression and purification of a truncated macrophage colony stimulating factor in *Kluyveromyces lactis*.
 AU Hua Z; Liang X; Zhu D
 CS Dep. Biochem., Nanjing Univ., Nanjing 210093, CHN
 SO Biochemistry and Molecular Biology International 34 (2). 1994. 419-427. ISSN: 1039-9712
 LA English

L4 ANSWER 6 OF 28 BIOSIS COPYRIGHT 1998 BIOSIS
 AN 93:454015 BIOSIS
 DN BA96:98915
 TI PYROGLUTAMYL PEPTIDASE GENE FROM *BACILLUS-AMYLOLIQUEFACIENS* CLONING SEQUENCING EXPRESSION AND CRYSTALLIZATION OF THE EXPRESSED ENZYME.
 AU YOSHIMOTO T; SHIMODA T; KITAZONO A; KABASHIMA T; ITO K; TSURU D
 CS SCH. PHARMACEUTICAL SCI., NAGASAKI UNIV., NAGASAKI 852, JAPAN.
 SO J BIOCHEM (TOKYO) 113 (1). 1993. 67-73. CODEN: JOBIAO ISSN: 0021-924X
 LA English

L4 ANSWER 7 OF 28 BIOSIS COPYRIGHT 1998 BIOSIS
 AN 90:284346 BIOSIS
 DN BA90:15192
 TI EXPRESSION OF GOAT ALPHA LACTALBUMIN IN *ESCHERICHIA-COLI* AND ITS REFOLDING TO BIOLOGICALLY ACTIVE PROTEIN.
 AU KUMAGAI I; TAKEDA S; HIBINO T; MIURA K-I
 CS DEP. INDUSTRIAL CHEM., FAC. ENG., THE UNIV. TOKYO, HONGO, BUNKYO-KU, TOKYO 113, JPN.
 SO PROTEIN ENG 3 (5). 1990. 449-452. CODEN: PRENE9 ISSN: 0269-2139
 LA English

L4 ANSWER 8 OF 28 BIOSIS COPYRIGHT 1998 BIOSIS
 AN 84:346570 BIOSIS
 DN BA78:83050
 TI IMPROVED METHOD FOR LARGE-SCALE PURIFICATION OF THE PHOSPHOENOL PYRUVATE CARBOXYLASE EC-4.1.1.31 OF *ESCHERICHIA-COLI* K-12.
 AU ISHIJIMA S; FUJITA N; SABE H; IZUI K; KATSUKI H
 CS DEP. CHEM., FAC. SCI., KYOTO UNIV., SAKYO, KYOTO 606, JPN.
 SO J GEN APPL MICROBIOL 30 (1). 1984. 27-34. CODEN: JGAMA9 ISSN: 0022-1260

LA English

L4 ANSWER 9 OF 28 BIOSIS COPYRIGHT 1998 BIOSIS
AN 84:325930 BIOSIS
DN BA78:62410
TI CHARACTERIZATION OF AN R **PLASMID** DI HYDRO FOLATE REDUCTASE
EC-1.5.1.3 WITH A MONOMERIC STRUCTURE.
AU JOYNER S S; FLING M E; STONE D; BACCANARI D P
CS WELLCOME RES. LAB., RESEARCH TRIANGLE PARK, N.C. 27709.
SO J BIOL CHEM 259 (9). 1984. 5851-5856. CODEN: JBCHA3 ISSN: 0021-9258
LA English

L4 ANSWER 10 OF 28 BIOSIS COPYRIGHT 1998 BIOSIS
AN 80:143996 BIOSIS
DN BA69:18992
TI R **PLASMID** DI HYDRO FOLATE REDUCTASE EC-1.5.1.3 WITH SUBUNIT
STRUCTURE.
AU SMITH S L; STONE D; NOVAK P; BACCANARI D P; BURCHALL J J
CS WELLCOME RES. LAB., RESEARCH TRIANGLE PARK, N.C. 27709, USA.
SO J BIOL CHEM 254 (14). 1979. 6222-6225. CODEN: JBCHA3 ISSN: 0021-9258
LA English

L4 ANSWER 11 OF 28 CAPLUS COPYRIGHT 1998 ACS
AN 1990:6085 CAPLUS
DN 112:6085
TI Isolation and purification of hirudin by **hydrophobic chromatography**
IN Badziong, Werner; Crause, Peter; Habermann, Paul; Tripier, Dominique
PA Hoechst A.-G., Fed. Rep. Ger.
SO Ger. Offen., 3 pp.
CODEN: GWXXBX
PI DE 3738541 A1 19890524
AI DE 87-3738541 19871113
DT Patent
LA German

L4 ANSWER 12 OF 28 CAPLUS COPYRIGHT 1998 ACS
AN 1976:131872 CAPLUS
DN 84:131872
TI Affinity and **hydrophobic chromatography** of three
variants of chloramphenicol acetyltransferases specified by R
factors in Escherichia coli
AU Zaidenzaig, Y.; Shaw, W. V.
CS Dep. Biochem., Univ. Leicester, Leicester, Engl.
SO FEBS Lett. (1976), 62(3), 266-71
CODEN: FEBLAL
DT Journal
LA English

L4 ANSWER 13 OF 28 MEDLINE
AN 97449856 MEDLINE
DN 97449856
TI Thermoalkalophilic lipase of Bacillus thermocatenulatus large-scale
production, purification and properties: aggregation behaviour and
its effect on activity.
AU Rua M L; Schmidt-Dannert C; Wahl S; Sprauer A; Schmid R D
CS Institut fur Technische Biochemie, Universitat Stuttgart, Germany.
SO JOURNAL OF BIOTECHNOLOGY, (1997 Aug 11) 56 (2) 89-102.
Journal code: AL6. ISSN: 0168-1656.
CY Netherlands
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals; B
EM 199712
EW 19971203

L4 ANSWER 14 OF 28 MEDLINE
 AN 96207564 MEDLINE
 DN 96207564
 TI Characterization of the hydroxymethylglutaryl-CoA lyase precursor, a protein targeted to peroxisomes and mitochondria.
 AU Ashmarina L I; Robert M F; Elsliger M A; Mitchell G A
 CS Service de genetique medicale, Hopital Sainte-Justine, Universite de Montreal, Quebec, Canada.
 SO BIOCHEMICAL JOURNAL, (1996 Apr 1) 315 (Pt 1) 71-5.
 Journal code: 9YO. ISSN: 0264-6021.
 CY ENGLAND: United Kingdom
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals; Cancer Journals
 EM 199610

L4 ANSWER 15 OF 28 MEDLINE
 AN 96136628 MEDLINE
 DN 96136628
 TI Cloning, expression, purification, and characterization of 2'-deoxyuridylate hydroxymethylase from phage SP01.
 AU Schellenberger U; Livi L L; Santi D V
 CS Department of Biochemistry and Biophysics, University of California, San Francisco 94143-0448, USA.
 NC CA 14394 (NCI)
 SO PROTEIN EXPRESSION AND PURIFICATION, (1995 Aug) 6 (4) 423-30.
 Journal code: BJV. ISSN: 1046-5928.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199604

L4 ANSWER 16 OF 28 MEDLINE
 AN 95152448 MEDLINE
 DN 95152448
 TI Expression and purification of a truncated macrophage colony stimulating factor in Kluyveromyces lactis.
 AU Hua Z; Liang X; Zhu D
 CS Department of Biochemistry, Nanjing University, P.R. China..
 SO BIOCHEMISTRY AND MOLECULAR BIOLOGY INTERNATIONAL, (1994 Sep) 34 (2) 419-27.
 Journal code: BOD. ISSN: 1069-8302.
 CY Australia
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199505

L4 ANSWER 17 OF 28 MEDLINE
 AN 93203177 MEDLINE
 DN 93203177
 TI Pyroglutamyl peptidase gene from Bacillus amyloliquefaciens: cloning, sequencing, expression, and crystallization of the expressed enzyme.
 AU Yoshimoto T; Shimoda T; Kitazono A; Kabashima T; Ito K; Tsuru D
 CS School of Pharmaceutical Sciences, Nagasaki University..
 SO JOURNAL OF BIOCHEMISTRY, (1993 Jan) 113 (1) 67-73.
 Journal code: HIF. ISSN: 0021-924X.
 CY Japan
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 OS GENBANK-D11035
 EM 199306

L4 ANSWER 18 OF 28 MEDLINE
AN 90272644 MEDLINE
DN 90272644
TI Expression of goat alpha-lactalbumin in Escherichia coli and its refolding to biologically active protein.
AU Kumagai I; Takeda S; Hibino T; Miura K
CS Department of Industrial Chemistry, Faculty of Engineering, University of Tokyo, Japan..
SO PROTEIN ENGINEERING, (1990 Apr) 3 (5) 449-52.
Journal code: PR1. ISSN: 0269-2139.
CY ENGLAND: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199009

L4 ANSWER 19 OF 28 MEDLINE
AN 87194811 MEDLINE
DN 87194811
TI Purification of the cysB protein from Salmonella typhimurium.
AU Miller B E; Kredich N M
NC AM12828 (NIADDK)
SO JOURNAL OF BIOLOGICAL CHEMISTRY, (1987 May 5) 262 (13) 6006-9.
Journal code: HIV. ISSN: 0021-9258.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals; Cancer Journals
EM 198708

L4 ANSWER 20 OF 28 MEDLINE
AN 84185739 MEDLINE
DN 84185739
TI Characterization of an R-plasmid dihydrofolate reductase with a monomeric structure.
AU Joyner S S; Fling M E; Stone D; Baccanari D P
SO JOURNAL OF BIOLOGICAL CHEMISTRY, (1984 May 10) 259 (9) 5851-6.
Journal code: HIV. ISSN: 0021-9258.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals; Cancer Journals
EM 198408

L4 ANSWER 21 OF 28 MEDLINE
AN 79194193 MEDLINE
DN 79194193
TI R **plasmid** dihydrofolate reductase with subunit structure.
AU Smith S L; Stone D; Novak P; Baccanari D P; Burchall J J
SO JOURNAL OF BIOLOGICAL CHEMISTRY, (1979 Jul 25) 254 (14) 6222-5.
Journal code: HIV. ISSN: 0021-9258.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 197910

L4 ANSWER 22 OF 28 MEDLINE
AN 76210855 MEDLINE
DN 76210855
TI Affinity and **hydrophobic chromatography** of three variants of chloramphenicol acetyltransferases specified by R factors in Escherichia coli.
AU Zaidenzaig Y; Shaw W V
SO FEBS LETTERS, (1976 Mar 1) 62 (3) 266-71.
Journal code: EUH. ISSN: 0014-5793.

CY Netherlands
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 197610

L4 ANSWER 23 OF 28 EMBASE COPYRIGHT 1998 ELSEVIER SCI. B.V.
 AN 97282052 EMBASE
 TI Thermoalkalophilic lipase of *Bacillus thermocatenulatus*: Large-scale production, purification and properties: Aggregation behaviour and its effect on activity.
 AU Rua M.L.; Schmidt-Dannert C.; Wahl S.; Sprauer A.; Schmid R.D.
 CS R.D. Schmid, Institut fur Technische Biochemie, Universitat Stuttgart, Allmandring 31, D-70569 Stuttgart, Germany, Federal Republic of. rolf.d.schmid@rus.uni-stuttgart.de
 SO Journal of Biotechnology, (1997) 56/2 (89-102).
 Refs: 27
 ISSN: 0168-1656 CODEN: JBITD4
 PUI S 0168-1656(97)00079-5
 CY Netherlands
 DT Journal
 FS 004 Microbiology
 LA English
 SL English

L4 ANSWER 24 OF 28 EMBASE COPYRIGHT 1998 ELSEVIER SCI. B.V.
 AN 94314736 EMBASE
 TI Expression and purification of a truncated macrophage colony stimulating factor in *Kluyveromyces lactis*.
 AU Hua Z.; Liang X.; Zhu D.
 CS Department of Biochemistry, Nanjing University, Nanjing 210093, China
 SO BIOCHEM. MOL. BIOL. INT., (1994) 34/2 (419-427).
 ISSN: 1039-9712 CODEN: BMBIES
 CY Australia
 DT Journal
 FS 022 Human Genetics
 029 Clinical Biochemistry
 LA English
 SL English

L4 ANSWER 25 OF 28 EMBASE COPYRIGHT 1998 ELSEVIER SCI. B.V.
 AN 93068844 EMBASE
 TI Pyroglutamyl peptidase gene from *Bacillus amyloliquefaciens*: Cloning, sequencing, expression, and crystallization of the expressed enzyme.
 AU Yoshimoto T.; Shimoda T.; Kitazono A.; Kabashima T.; Ito K.; Tsuru D.
 CS School of Pharmaceutical Sciences, Nagasaki University, Nagasaki 852, Japan
 SO J. BIOCHEM., (1993) 113/1 (67-73).
 ISSN: 0021-924X CODEN: JOBIAO
 CY Japan
 DT Journal
 FS 004 Microbiology
 029 Clinical Biochemistry
 LA English
 SL English

L4 ANSWER 26 OF 28 EMBASE COPYRIGHT 1998 ELSEVIER SCI. B.V.
 AN 93002922 EMBASE
 TI Cloning, sequencing, and high expression of the proline iminopeptidase gene from *Bacillus coagulans*.
 AU Kitazono A.; Yoshimoto T.; Tsuru D.
 CS School of Pharmaceutical Sciences, Nagasaki University, Nagasaki 852, Japan

SO J. BACTERIOL., (1992) 174/24 (7919-7925).
ISSN: 0021-9193 CODEN: JOBAAY
CY United States
DT Journal
FS 004 Microbiology
029 Clinical Biochemistry
LA English
SL English

L4 ANSWER 27 OF 28 EMBASE COPYRIGHT 1998 ELSEVIER SCI. B.V.
AN 90201428 EMBASE
TI Expression of goat .alpha.-lactalbumin in Escherichia coli and its
refolding to biologically active protein.
AU Kumagai I.; Takeda S.; Hibino T.; Miura K-i.
CS Department of Industrial Chemistry, The University of Tokyo, Hongo,
Bunkyo-ku, Tokyo 113, Japan
SO PROTEIN ENG., (1990) 3/5 (449-452).
ISSN: 0269-2139 CODEN: PRENE
CY United Kingdom
DT Journal
FS 004 Microbiology
029 Clinical Biochemistry
LA English

L4 ANSWER 28 OF 28 EMBASE COPYRIGHT 1998 ELSEVIER SCI. B.V.
AN 84117676 EMBASE
TI Characterization of an R-plasmid dihydrofolate reductase
with a monomeric structure.
AU Joyner S.S.; Fling M.E.; Stone D.; Baccanari D.P.
CS Wellcome Research Laboratories, Research Triangle Park, NC 27709,
United States
SO J. BIOL. CHEM., (1984) 259/9 (5851-5856).
CODEN: JBCHA3
CY United States
LA English

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FILE 'WPIDS, BIOSIS, CAPLUS, MEDLINE, EMBASE' ENTERED AT 07:38:05
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L1 513 S ANION(W)EXCHANGE AND PLASMID#
L2 1837 S HYDROPHOBIC(W)CHROMATOGRAPHY
L3 0 S L1 AND L2
L4 28 S L2 AND PLASMID#

=> s plasmid(W)purif? and anion(W)exchange

L5 11 PLASMID(W) PURIF? AND ANION(W) EXCHANGE

=> d L5 1-11

L5 ANSWER 1 OF 11 BIOSIS COPYRIGHT 1998 BIOSIS
AN 98:448821 BIOSIS
DN 01448821
TI Reduction of antigen expression from DNA vaccines by coadministered
oligodeoxynucleotides.
AU Weeratna R; Millan C L B; Krieg A M; Davis H L
CS Loeb Res. Inst. 725 Parkdale Avenue, Ottawa, ON K1Y 4E9, Canada
SO Antisense & Nucleic Acid Drug Development 8 (4). 1998. 351-356.
ISSN: 1087-2906
LA English

L5 ANSWER 2 OF 11 BIOSIS COPYRIGHT 1998 BIOSIS
AN 91:325533 BIOSIS
DN BA92:36048
TI A SIMPLIFIED METHOD FOR THE PRODUCTION OF RECOMBINANT BACULOVIRUS.
AU GOSWANI B B; GLAZER R I
CS DEP. PHARMACOL., GEORGETOWN UNIV. SCH. MED., 4 RESEARCH COURT,
ROCKVILLE, MD. 20850.
SO BIOTECHNIQUES 10 (5). 1991. 626-630. CODEN: BTNQDO ISSN: 0736-6205
LA English

L5 ANSWER 3 OF 11 CAPLUS COPYRIGHT 1998 ACS
AN 1997:542453 CAPLUS
DN 127:215939
TI Hydroxyapatite chromatography is purification of nucleic acids for
use in gene therapy
IN Kuhne, Wolfgang
PA Boehringer Mannheim G.m.b.H., Germany; Kuhne, Wolfgang
SO PCT Int. Appl., 14 pp.
CODEN: PIXXD2
PI WO 9729113 A2 19970814
DS W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE,
DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC,
LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT,
RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN,
AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, DE, DK, ES, FI, FR, GA, GB,
GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG
AI WO 97-EP321 19970124
PRAI EP 96-101628 19960206
DT Patent
LA German

L5 ANSWER 4 OF 11 CAPLUS COPYRIGHT 1998 ACS
AN 1997:26458 CAPLUS
DN 126:46366
TI A method for large scale **plasmid purification**
IN Lee, Ann L.; Sagar, Sangeetha
PA Merck and Co., Inc., USA; Lee, Ann L.; Sagar, Sangeetha
SO PCT Int. Appl., 33 pp.
CODEN: PIXXD2
PI WO 9636706 A1 19961121
DS W: AL, AM, AU, AZ, BB, BG, BR, BY, CA, CN, CZ, EE, GE, HU, IS, JP,
KG, KR, KZ, LK, LR, LT, LV, MD, MG, MK, MN, MX, NO, NZ, PL, RO,
RU, SG, SI, SK, TJ, TM, TR, TT, UA, US, UZ, VN, AM, AZ, BY, KG,
KZ, MD
RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, DE, DK, ES, FI, FR, GA, GB,
GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG
AI WO 96-US7083 19960515
PRAI US 95-446118 19950519
DT Patent
LA English

L5 ANSWER 5 OF 11 CAPLUS COPYRIGHT 1998 ACS
AN 1996:412456 CAPLUS
DN 125:106306
TI Comparison of plasmid DNA preparation methods for direct gene
transfer and genetic immunization
AU Davis, H. L.; Schleef, M.; Moritz, P.; Mancini, M.; Schorr, J.;
Whalen, R. G.
CS Ottawa Civic Hosp./Univ. Ottawa, Ottawa, ON, Can.
SO BioTechniques (1996), 21(1), 92-99
CODEN: BTNQDO; ISSN: 0736-6205
DT Journal
LA English

L5 ANSWER 6 OF 11 CAPLUS COPYRIGHT 1998 ACS

AN 1996:259786 CAPLUS
 DN 124:287204
 TI A method for large scale **plasmid purification**
 IN Lee, Ann L.; Sagar, Sangeetha
 PA Merck and Co., Inc., USA
 SO PCT Int. Appl., 31 pp.
 CODEN: PIXXD2
 PI WO 9602658 A1 19960201
 DS W: AM, AU, BB, BG, BR, BY, CA, CN, CZ, EE, FI, GE, HU, IS, JP, KG,
 KR, KZ, LK, LR, LT, LV, MD, MG, MN, MX, NO, NZ, PL, RO, RU, SG,
 SI, SK, TJ, TM, TT, UA, US, UZ
 RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, DE, DK, ES, FR, GA, GB, GR,
 IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG
 AI WO 95-US8749 19950711
 PRAI US 94-275571 19940715
 DT Patent
 LA English

 L5 ANSWER 7 OF 11 CAPLUS COPYRIGHT 1998 ACS
 AN 1994:126290 CAPLUS
 DN 120:126290
 TI Procedure for the regeneration and reuse of the Qiagen column for
plasmid purification
 AU Sparkman, Dennis R.
 CS Texas Southwest. Med. Cent., Univ., Dallas, TX, 75235-9072, USA
 SO Methods Mol. Cell. Biol. (1993), 4(3), 133-4
 CODEN: MMCBEV; ISSN: 0898-7750
 DT Journal
 LA English

 L5 ANSWER 8 OF 11 CAPLUS COPYRIGHT 1998 ACS
 AN 1992:52424 CAPLUS
 DN 116:52424
 TI A simplified method for the production of recombinant Baculovirus
 AU Goswami, Biswendu B.; Glazer, Robert I.
 CS Sch. Med., Georgetown Univ., Rockville, MD, 20850, USA
 SO BioTechniques (1991), 10(5), 626-30
 CODEN: BTNQDO; ISSN: 0736-6205
 DT Journal
 LA English

 L5 ANSWER 9 OF 11 CAPLUS COPYRIGHT 1998 ACS
 AN 1989:129867 CAPLUS
 DN 110:129867
 TI Rapid purification of plasmid DNA by HPLC
 AU Westrop, Rod
 CS Bio-Rad Lab., UK
 SO Lab. Pract. (1988), 37(11), 67-8
 CODEN: LABPA3; ISSN: 0023-6853
 DT Journal
 LA English

 L5 ANSWER 10 OF 11 CAPLUS COPYRIGHT 1998 ACS
 AN 1987:632403 CAPLUS
 DN 107:232403
 TI Applications of HPLC to nucleic acid research
 AU Guenther, Richard H.; Cocuzza, Joan; Gopal, Hara D.; Agris, Paul F.
 CS Div. Biol. Sci., Univ. Missouri, Columbia, MO, USA
 SO Am. Biotechnol. Lab. (1987), 5(5), 22, 24, 26, 28, 30, 32, 34-5
 CODEN: ABLAEY
 DT Journal
 LA English

 L5 ANSWER 11 OF 11 MEDLINE
 AN 92000673 MEDLINE
 DN 92000673

TI A simplified method for the production of recombinant baculovirus.
AU Goswami B B; Glazer R I
CS Georgetown University School of Medicine..
SO BIOTECHNIQUES, (1991 May) 10 (5) 626-30.
Journal code: AN3. ISSN: 0736-6205.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199201

=> d his

(FILE 'HOME' ENTERED AT 07:36:44 ON 09 NOV 1998)

FILE 'WPIDS, BIOSIS, CAPLUS, MEDLINE, EMBASE' ENTERED AT 07:38:05
ON 09 NOV 1998

L1 513 S ANION(W)EXCHANGE AND PLASMID#
L2 1837 S HYDROPHOBIC(W)CHROMATOGRAPHY
L3 0 S L1 AND L2
L4 28 S L2 AND PLASMID#
L5 11 S PLASMID(W)PURIF? AND ANION(W)EXCHANGE

=> d L5 4,5,6,7,9,10 ab

L5 ANSWER 4 OF 11 CAPLUS COPYRIGHT 1998 ACS

AB A process is disclosed for the large scale isolation and purifn. of plasmid DNA from large scale microbial fermns. The microbial cells harboring the plasmid are suspended and optionally incubated with lysozyme in a buffer contg. detergent, heated using a flow-through heat exchanger to lyse the cells, followed by centrifugation. After centrifugation, the clarified lysate, which contains predominately RNA and the plasmid product is filtered through a 0.45 .mu. filter and then diafiltered, prior to loading on an **anion-exchange** column. The plasmid product may optionally be treated with RNase before or after filtration, or at an earlier or later step. The **anion-exchange** product fraction contg. the plasmid is loaded onto a reversed-phase column, and is eluted with an appropriate buffer. All 3 forms of plasmid DNA; supercoil (form I), nicked or relaxed circle (form II), and linearized (form III), are individually isolatable using the disclosed process. The overall yield of the process was >50% of the supercoiled plasmid in the clarified cell lysate, and the purity of the product was very high with <1% Escherichia coli RNA and protein and <2.9% Escherichia coli genomic DNA. Highly purified DNA suitable for inclusion in a pharmaceutical compn. is provided by the disclosed process.

L5 ANSWER 5 OF 11 CAPLUS COPYRIGHT 1998 ACS

AB Plasmid DNA is widely used for direct gene transfer in animals to study gene therapy, gene regulation, drug delivery and genetic immunization. Here we compare cesium chloride and **anion-exchange** purified plasmid DNA for direct gene transfer in mouse muscle and show no differences in efficiency of transfection with reporter genes or in humoral response to DNA-based immunization.

L5 ANSWER 6 OF 11 CAPLUS COPYRIGHT 1998 ACS

AB A process for the large-scale isolation and purifn. of plasmid DNA from large-scale fermns. is disclosed. The process comprises harvesting microbial cells from a large-scale fermn., adding a sufficient amt. of STET buffer, heating the cells to 70-100.degree. in a flow-through heat exchanger to form a crude lysate, centrifuging the lysate, filtering and diafiltering the supernatant,

contacting the filtrate with an **anion exchange** matrix, eluting and collecting the plasmid DNA from the **anion exchange** matrix, contacting the plasmid DNA with a reversed-phase HPLC matrix, optionally concg. and/or diafiltering the plasmid DNA into a pharmaceutically acceptable carrier, and optionally sterilizing the DNA product.

L5 ANSWER 7 OF 11 CAPLUS COPYRIGHT 1998 ACS

AB The Aiagen column is used for **plasmid purifications**, and is a reliable and easy system to use. However, if numerous purifications are employed, the columns can become expensive. Because the columns are based on **anion-exchange** resin that is silica gel based, it was reasoned that the columns could be washed and reused like any conventional **anion-exchange** resin. Escherichia coli strain HB101 which contained a pGEM4 plasmid with a 2000 bp insert was applied to a Qiagen-tip 500 and after eluting the plasmid DNA with the buffers supplied with the kit, the column was washed at room temp. with 50 mL of 1.5M NaCl, 50 mM MOPS, pH8.5, and 20% EtOH (HS buffer). The column was re-equilibrated with 20 mL of 0.4M NaCl buffer, 50 mM MOPS, pH 7.0, and 0.15% Triton X-100 (QPT Buffer). For another **plasmid purifn.**, a second supernatant was applied to the column and processed according to the Qiagen protocol. After the high salt wash, the column can be equilibrated and stored at 4.degree. in the presence of QPT buffer contg. 0.1% sodium azide as a preservative; the column must be washed with fresh QPT buffer to remove the azide prior to reuse.

L5 ANSWER 9 OF 11 CAPLUS COPYRIGHT 1998 ACS

AB The use of an **anion exchange** column (HPLC MA7 column packed with 7 .mu.m nonporous beads) for purifn. of large qualities of plasmids is described. Its purity is compared to that produced by double banding in cesium chloride.

L5 ANSWER 10 OF 11 CAPLUS COPYRIGHT 1998 ACS

AB Semipreparative applications of HPLC in nucleic acids sepn. and purifn. are presented and the columns and methods used in each application are detailed. The following 4 applications and accompanying columns are presented: (1) purifn. of oligonucleotides using a Synchrom RP-P C18 reversed-phase column; (2) purifn. of medium-size tRNAs using a DEAE **anion-exchange** column; (3) nucleic acid interaction studies using a Synchrom GPC 1000 column for size-exclusion chromatog.; and (4) **plasmid purifn. using a DEAE 5PW column.**

=> d L5 4-7,9,10 bib,ab

L5 ANSWER 4 OF 11 CAPLUS COPYRIGHT 1998 ACS

AN 1997:26458 CAPLUS

DN 126:46366

TI A method for large scale **plasmid purification**

IN Lee, Ann L.; Sagar, Sangeetha

PA Merck and Co., Inc., USA; Lee, Ann L.; Sagar, Sangeetha

SO PCT Int. Appl., 33 pp.

CODEN: PIXXD2

PI WO 9636706 A1 19961121

DS W: AL, AM, AU, AZ, BB, BG, BR, BY, CA, CN, CZ, EE, GE, HU, IS, JP, KG, KR, KZ, LK, LR, LT, LV, MD, MG, MK, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TJ, TM, TR, TT, UA, US, UZ, VN, AM, AZ, BY, KG, KZ, MD

RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, DE, DK, ES, FI, FR, GA, GB, GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG

AI WO 96-US7083 19960515

PRAI US 95-446118 19950519

DT Patent

LA English
AB A process is disclosed for the large scale isolation and purifn. of plasmid DNA from large scale microbial fermns. The microbial cells harboring the plasmid are suspended and optionally incubated with lysozyme in a buffer contg. detergent, heated using a flow-through heat exchanger to lyse the cells, followed by centrifugation. After centrifugation, the clarified lysate, which contains predominately RNA and the plasmid product is filtered through a 0.45 .mu. filter and then diafiltered, prior to loading on an **anion-exchange** column. The plasmid product may optionally be treated with RNase before or after filtration, or at an earlier or later step. The **anion-exchange** product fraction contg. the plasmid is loaded onto a reversed-phase column, and is eluted with an appropriate buffer. All 3 forms of plasmid DNA; supercoil (form I), nicked or relaxed circle (form II), and linearized (form III), are individually isolatable using the disclosed process. The overall yield of the process was >50% of the supercoiled plasmid in the clarified cell lysate, and the purity of the product was very high with <1% Escherichia coli RNA and protein and <2.9% Escherichia coli genomic DNA. Highly purified DNA suitable for inclusion in a pharmaceutical compn. is provided by the disclosed process.

L5 ANSWER 5 OF 11 CAPLUS COPYRIGHT 1998 ACS

AN 1996:412456 CAPLUS

DN 125:106306

TI Comparison of plasmid DNA preparation methods for direct gene transfer and genetic immunization

AU Davis, H. L.; Schleef, M.; Moritz, P.; Mancini, M.; Schorr, J.; Whalen, R. G.

CS Ottawa Civic Hosp./Univ. Ottawa, Ottawa, ON, Can.

SO BioTechniques (1996), 21(1), 92-99

CODEN: BTNQDO; ISSN: 0736-6205

DT Journal

LA English

AB Plasmid DNA is widely used for direct gene transfer in animals to study gene therapy, gene regulation, drug delivery and genetic immunization. Here we compare cesium chloride and **anion-exchange** purified plasmid DNA for direct gene transfer in mouse muscle and show no differences in efficiency of transfection with reporter genes or in humoral response to DNA-based immunization.

L5 ANSWER 6 OF 11 CAPLUS COPYRIGHT 1998 ACS

AN 1996:259786 CAPLUS

DN 124:287204

TI A method for large scale **plasmid purification**

IN Lee, Ann L.; Sagar, Sangeetha

PA Merck and Co., Inc., USA

SO PCT Int. Appl., 31 pp.

CODEN: PIXXD2

PI WO 9602658 A1 19960201

DS W: AM, AU, BB, BG, BR, BY, CA, CN, CZ, EE, FI, GE, HU, IS, JP, KG, KR, KZ, LK, LR, LT, LV, MD, MG, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TJ, TM, TT, UA, US, UZ

RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, DE, DK, ES, FR, GA, GB, GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG

AI WO 95-US8749 19950711

PRAI US 94-275571 19940715

DT Patent

LA English

AB A process for the large-scale isolation and purifn. of plasmid DNA from large-scale fermns. is disclosed. The process comprises harvesting microbial cells from a large-scale fermn., adding a sufficient amt. of STET buffer, heating the cells to 70-100.degree. in a flow-through heat exchanger to form a crude lysate,

centrifuging the lysate, filtering and diafiltering the supernatant, contacting the filtrate with an **anion exchange** matrix, eluting and collecting the plasmid DNA from the **anion exchange** matrix, contacting the plasmid DNA with a reversed-phase HPLC matrix, optionally concg. and/or diafiltering the plasmid DNA into a pharmaceutically acceptable carrier, and optionally sterilizing the DNA product.

L5 ANSWER 7 OF 11 CAPLUS COPYRIGHT 1998 ACS

AN 1994:126290 CAPLUS

DN 120:126290

TI Procedure for the regeneration and reuse of the Qiagen column for **plasmid purification**

AU Sparkman, Dennis R.

CS Texas Southwest. Med. Cent., Univ., Dallas, TX, 75235-9072, USA

SO Methods Mol. Cell. Biol. (1993), 4(3), 133-4

CODEN: MMCBEV; ISSN: 0898-7750

DT Journal

LA English

AB The Aiagen column is used for **plasmid**

purifications, and is a reliable and easy system to use.

However, if numerous purifications are employed, the columns can become expensive. Because the columns are based on **anion-**

exchange resin that is silica gel based, it was reasoned

that the columns could be washed and reused like any conventional **anion-exchange** resin. Escherichia coli strain

HB101 which contained a pGEM4 plasmid with a 2000 bp insert was

applied to a Qiagen-tip 500 and after eluting the plasmid DNA with

the buffers supplied with the kit, the column was washed at room

temp. with 50 mL of 1.5M NaCl, 50 mM MOPS, pH8.5, and 20% EtOH (HS

buffer). The column was re-equilibrated with 20 mL of 0.4M NaCl

buffer, 50 mM MOPS, pH 7.0, and 0.15% Triton X-100 (QPT Buffer).

For another **plasmid purifn.**, a second

supernatant was applied to the column and processed according to the

Qiagen protocol. After the high salt wash, the column can be

equilibrated and stored at 4.degree. in the presence of QPT buffer

contg. 0.1% sodium azide as a preservative; the column must be

washed with fresh QPT buffer to remove the azide prior to reuse.

L5 ANSWER 9 OF 11 CAPLUS COPYRIGHT 1998 ACS

AN 1989:129867 CAPLUS

DN 110:129867

TI Rapid purification of plasmid DNA by HPLC

AU Westrop, Rod

CS Bio-Rad Lab., UK

SO Lab. Pract. (1988), 37(11), 67-8

CODEN: LABPA3; ISSN: 0023-6853

DT Journal

LA English

AB The use of an **anion exchange** column (HPLC MA7

column packed with 7 .mu.m nonporous beads) for purifn. of large

qualities of plasmids is described. Its purity is compared to that

produced by double banding in cesium chloride.

L5 ANSWER 10 OF 11 CAPLUS COPYRIGHT 1998 ACS

AN 1987:632403 CAPLUS

DN 107:232403

TI Applications of HPLC to nucleic acid research

AU Guenther, Richard H.; Cocuzza, Joan; Gopal, Hara D.; Agris, Paul F.

CS Div. Biol. Sci., Univ. Missouri, Columbia, MO, USA

SO Am. Biotechnol. Lab. (1987), 5(5), 22, 24, 26, 28, 30, 32, 34-5

CODEN: ABLAEY

DT Journal

LA English

AB Semipreparative applications of HPLC in nucleic acids sepn. and

purifn. are presented and the columns and methods used in each

application are detailed. The following 4 applications and accompanying columns are presented: (1) purifn. of oligonucleotides using a Synchrom RP-P C18 reversed-phase column; (2) purifn. of medium-size tRNAs using a DEAE **anion-exchange** column; (3) nucleic acid interaction studies using a Synchrom GPC 1000 column for size-exclusion chromatog.; and (4) **plasmid purifn.** using a DEAE 5PW column.

=> s hydrophobic(3W)chromatography and plasmid#

L6 108 HYDROPHOBIC(3W) CHROMATOGRAPHY AND PLASMID#

=> d his

(FILE 'HOME' ENTERED AT 07:36:44 ON 09 NOV 1998)

FILE 'WPIDS, BIOSIS, CAPLUS, MEDLINE, EMBASE' ENTERED AT 07:38:05
ON 09 NOV 1998

L1 513 S ANION(W)EXCHANGE AND PLASMID#
L2 1837 S HYDROPHOBIC(W)CHROMATOGRAPHY
L3 0 S L1 AND L2
L4 28 S L2 AND PLASMID#
L5 11 S PLASMID(W)PURIF? AND ANION(W)EXCHANGE
L6 108 S HYDROPHOBIC(3W)CHROMATOGRAPHY AND PLASMID#

=> s L6 and L11

L11 NOT FOUND

The L-number entered could not be found. To see the definition of L-numbers, enter DISPLAY HISTORY at an arrow prompt (=>).

=> s L6 and L5

L7 0 L6 AND L5

=> s L6 and L1

L8 22 L6 AND L1

=> d L8 ti,so,py

'SO' IS NOT A VALID FORMAT

'PY' IS NOT A VALID FORMAT

In a multifile environment, a format can only be used if it is valid in at least one of the files. Refer to file specific help messages or the STNGUIDE file for information on formats available in individual files.

REENTER DISPLAY FORMAT FOR ALL FILES (FILEDEFAULT):d L8 bib

'D' IS NOT A VALID FORMAT

'L48' IS NOT A VALID FORMAT

In a multifile environment, a format can only be used if it is valid in at least one of the files. Refer to file specific help messages or the STNGUIDE file for information on formats available in individual files.

REENTER DISPLAY FORMAT FOR ALL FILES (FILEDEFAULT):end

=> d his

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FILE 'WPIDS, BIOSIS, CAPLUS, MEDLINE, EMBASE' ENTERED AT 07:38:05
ON 09 NOV 1998

L1 513 S ANION(W)EXCHANGE AND PLASMID#
 L2 1837 S HYDROPHOBIC(W)CHROMATOGRAPHY
 L3 0 S L1 AND L2
 L4 28 S L2 AND PLASMID#
 L5 11 S PLASMID(W)PURIF? AND ANION(W)EXCHANGE
 L6 108 S HYDROPHOBIC(3W)CHROMATOGRAPHY AND PLASMID#
 L7 0 S L6 AND L5
 L8 22 S L6 AND L1

=> d L8 1-22 bib

L8 ANSWER 1 OF 22 WPIDS COPYRIGHT 1998 DERWENT INFORMATION LTD
 AN 98-179059 [16] WPIDS
 DNN N98-141676 DNC C98-057498
 TI New isolated leucoanthocyanidin reductase enzyme - used for
 manipulating proanthocyanidin biosynthesis pathway in plants, e.g.
 for altering the level of condensed tannins in plants.
 DC C06 D16 P13
 IN JOSEPH, R G; LARKIN, P J; TANNER, G J
 PA (CSIR) COMMONWEALTH SCI & IND RES ORG; (MEAT-N) MEAT RES CORP
 CYC 78
 PI WO 9807836 A1 980226 (9816)* EN 115 pp
 RW: AT BE CH DE DK EA ES FI FR GB GH GR IE IT KE LS LU MC MW NL
 OA PT SD SE SZ UG ZW
 W: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI
 GB GE GH HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD
 MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR
 TT UA UG US UZ VN YU ZW
 AU 9738407 A 980306 (9830)
 ADT WO 9807836 A1 WO 97-AU529 970821; AU 9738407 A AU 97-38407 970821
 FDT AU 9738407 A Based on WO 9807836
 PRAI AU 96-1812 960821

L8 ANSWER 2 OF 22 BIOSIS COPYRIGHT 1998 BIOSIS
 AN 98:446901 BIOSIS
 DN 01446901
 TI Ribose-5-phosphate isomerase from *Saccharomyces cerevisiae*:
 Purification and molecular analysis of the enzyme.
 AU Reuter R; Naumann M; Baer J; Miosga T; Kopperschlaeger G
 CS Inst. fuer Biochemie, Univsitaetsklinikum, Univ. Leipzig, Liebigstr.
 16, D-64103 Leipzig, Germany
 SO Bioseparation 7 (2). 1998. 107-115. ISSN: 0923-179X
 LA English

L8 ANSWER 3 OF 22 BIOSIS COPYRIGHT 1998 BIOSIS
 AN 98:301140 BIOSIS
 DN 01301140
 TI Overexpression, purification, and stereochemical studies of the
 recombinant (S)-adenosyl-L-methionine: DELTA-24(25)-to
 DELTA-24(28)-sterol methyl transferase enzyme from *Saccharomyces*
cerevisiae.
 AU Nes W D; McCourt B S; Zhou W-X; Ma J; Marshall J A; Peek L-A; Brennan
 M
 CS Dep. Chem. Biochem., Texas Tech Univ., Lubbock, TX 79409, USA
 SO Archives of Biochemistry and Biophysics 353 (2). 1998. 297-311.
 ISSN: 0003-9861
 LA English

L8 ANSWER 4 OF 22 BIOSIS COPYRIGHT 1998 BIOSIS
 AN 98:31752 BIOSIS
 DN 01031752
 TI Characteristics and genetic determinants of bacteriocin activities
 produced by *Carnobacterium piscicola* CP5 isolated from cheese.
 AU Herbin S; Mathieu F; Brule F; Branlant C; Lefebvre G; Lebrihi A
 CS Lab. Microbiol. Ind. Alimentaire, Inst. Natl. Polytech. Lorraine,

Ecole Supérieure Agron. Ind. Alimentaires, 2 Av. de la Forêt de Haye,
54500 Vandœuvre les Nancy, France

SO Current Microbiology 35 (6). 1997. 319-326. ISSN: 0343-8651
LA English

L8 ANSWER 5 OF 22 BIOSIS COPYRIGHT 1998 BIOSIS
AN 96:129548 BIOSIS
DN 98701683
TI Galactofuranose biosynthesis in *Escherichia coli* K-12: Identification
and cloning of UDP-galactopyranose mutase.
AU Nassau P M; Martin S L; Brown R E; Weston A; Monsey D; McNeil M R;
Duncan K
CS Glaxo Wellcome Med. Res. Cent., Gunnels Wood Road, Stevenage,
Hertfordshire SG1 2NY, UK
SO Journal of Bacteriology 178 (4). 1996. 1047-1052. ISSN: 0021-9193
LA English

L8 ANSWER 6 OF 22 BIOSIS COPYRIGHT 1998 BIOSIS
AN 96:82303 BIOSIS
DN 98654438
TI Purification, characterization, and primary structure of *Clostridium*
perfringens Lambda-toxin, a thermolysin-like metalloprotease.
AU Jin F; Matsushita O; Katayama S-I; Jin S; Matsushita C; Minami J;
Okabe A
CS Dep. Microbiol., Kagawa Med. Sch., Kagawa 761-07, Japan
SO Infection and Immunity 64 (1). 1996. 230-237. ISSN: 0019-9567
LA English

L8 ANSWER 7 OF 22 BIOSIS COPYRIGHT 1998 BIOSIS
AN 95:490816 BIOSIS
DN 98505116
TI Overexpression and purification of the trimeric aspartate
transcarbamoylase from *Bacillus subtilis*.
AU Baker D P; Aucoin J M; Williams M K; Demello L A; Kantrowitz E R
CS Dep. Chem., Merkert Chem. Center, Boston Coll., Chestnut Hill, MA
02167, SUA
SO Protein Expression and Purification 6 (5). 1995. 679-684. ISSN:
1046-5928
LA English

L8 ANSWER 8 OF 22 BIOSIS COPYRIGHT 1998 BIOSIS
AN 95:345386 BIOSIS
DN 98359686
TI Spinach ferredoxin I: Overproduction in *Escherichia coli* and
purification.
AU Piubelli L; Aliverti A; Bellintani F; Zanetti G
CS Dip. Fisiol. e Biochim. Gen., via Celoria 26, I-20133 Milan, Italy
SO Protein Expression and Purification 6 (3). 1995. 298-304. ISSN:
1046-5928
LA English

L8 ANSWER 9 OF 22 BIOSIS COPYRIGHT 1998 BIOSIS
AN 90:155327 BIOSIS
DN BA89:82745
TI EXPRESSION OF HUMAN PLASMINOGEN ACTIVATOR INHIBITOR TYPE-1 PAI-1 IN
ESCHERICHIA-COLI AS A SOLUBLE PROTEIN COMPRISED OF ACTIVE AND LATENT
FORMS ISOLATION AND CRYSTALLIZATION OF LATENT PAI-1.
AU FRANKE A E; DANLEY D E; KACZMAREK F S; HAWRYLIK S J; GERARD R D; LEE
S E; GEOGHEGAN K F
CS PFIZER CENT. RES., EASTERN POINT RD., GROTON, CONN. 06340, U.S.A.
SO BIOCHIM BIOPHYS ACTA 1037 (1). 1990. 16-23. CODEN: BBACQ ISSN:
0006-3002
LA English

L8 ANSWER 10 OF 22 CAPLUS COPYRIGHT 1998 ACS
AN 1998:183999 CAPLUS

DN 128:239483
 TI Gene and enzyme replacement therapy for .alpha.-galactosidase A deficiency
 IN Selden, Richard F.; Borowski, Marianne; Gillespie, Frances P.; Kinoshita, Carol M.; Treco, Douglas A.; Williams, Melanie D.
 PA Transkaryotic Therapies, Inc., USA; Selden, Richard F.; Borowski, Marianne; Gillespie, Frances P.; Kinoshita, Carol M.; Treco, Douglas A.; Williams, Melanie D.
 SO PCT Int. Appl., 78 pp.
 CODEN: PIXXD2
 PI WO 9811206 A2 19980319
 DS W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
 RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, DE, DK, ES, FI, FR, GA, GB, GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG
 AI WO 97-US16603 19970912
 PRAI US 96-712614 19960913
 DT Patent
 LA English

 L8 ANSWER 11 OF 22 MEDLINE
 AN 1998269809 MEDLINE
 DN 98269809
 TI Overexpression, purification, and stereochemical studies of the recombinant (S)-adenosyl-L-methionine: delta 24(25)- to delta 24(28)-sterol methyl transferase enzyme from *Saccharomyces cerevisiae*.
 AU Nes W D; McCourt B S; Zhou W X; Ma J; Marshall J A; Peek L A; Brennan M
 CS Department of Chemistry and Biochemistry, Texas Tech University, Lubbock 79409, USA.. u0nes@ttacs.ttu.edu
 SO ARCHIVES OF BIOCHEMISTRY AND BIOPHYSICS, (1998 May 15) 353 (2) 297-311.
 Journal code: 6SK. ISSN: 0003-9861.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals; Cancer Journals
 OS GENBANK-U60755; GENBANK-U79669; GENBANK-AF045570
 EM 199808
 EW 19980803

 L8 ANSWER 12 OF 22 MEDLINE
 AN 1998063519 MEDLINE
 DN 98063519
 TI Characteristics and genetic determinants of bacteriocin activities produced by *Carnobacterium piscicola* CP5 isolated from cheese.
 AU Herbin S; Mathieu F; Brule F; Branlant C; Lefebvre G; Lebrihi A
 CS Laboratoire de Microbiologie Industrielle et Alimentaire, Institut National Polytechnique de Lorraine, Vandoeuvre les Nancy, France.. herbin@enzaiz.u-nancy.fr
 SO CURRENT MICROBIOLOGY, (1997 Dec) 35 (6) 319-26.
 Journal code: BMW. ISSN: 0343-8651.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals; B
 EM 199803
 EW 19980302

 L8 ANSWER 13 OF 22 MEDLINE
 AN 96165258 MEDLINE
 DN 96165258

TI Galactofuranose biosynthesis in Escherichia coli K-12:
 identification and cloning of UDP-galactopyranose mutase.
 AU Nassau P M; Martin S L; Brown R E; Weston A; Monsey D; McNeil M R;
 Duncan K
 CS Glaxo Wellcome Medicines Research Centre, Stevenage, Hertfordshire,
 United Kingdom.
 NC AI-33706 (NIAID)
 SO JOURNAL OF BACTERIOLOGY, (1996 Feb) 178 (4) 1047-52.
 Journal code: HH3. ISSN: 0021-9193.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199605

L8 ANSWER 14 OF 22 MEDLINE
 AN 96110938 MEDLINE
 DN 96110938
 TI Purification, characterization, and primary structure of Clostridium
 perfringens lambda-toxin, a thermolysin-like metalloprotease.
 AU Jin F; Matsushita O; Katayama S; Jin S; Matsushita C; Minami J;
 Okabe A
 CS Department of Microbiology, Kagawa Medical School, Japan.
 SO INFECTION AND IMMUNITY, (1996 Jan) 64 (1) 230-7.
 Journal code: GO7. ISSN: 0019-9567.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals; Cancer Journals
 OS GENBANK-D45904
 EM 199605

L8 ANSWER 15 OF 22 MEDLINE
 AN 92147817 MEDLINE
 DN 92147817
 TI Purification and crystallization of yeast hexokinase isoenzymes.
 Characterization of different forms by chromatofocusing.
 AU Jacob L; Beecken V; Bartunik L J; Rose M; Bartunik H D
 CS Max-Planck-Society, Research Unit for Structural Molecular Biology,
 Hamburg, Germany.
 SO JOURNAL OF CHROMATOGRAPHY, (1991 Nov 29) 587 (1) 85-92.
 Journal code: HQF. ISSN: 0021-9673.
 CY Netherlands
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199205

L8 ANSWER 16 OF 22 MEDLINE
 AN 90105506 MEDLINE
 DN 90105506
 TI Expression of human plasminogen activator inhibitor type-1 (PAI-1)
 in Escherichia coli as a soluble protein comprised of active and
 latent forms. Isolation and crystallization of latent PAI-1.
 AU Franke A E; Danley D E; Kaczmarek F S; Hawrylik S J; Gerard R D; Lee
 S E; Geoghegan K F
 CS Pfizer Central Research, Groton, CT 06340..
 SO BIOCHIMICA ET BIOPHYSICA ACTA, (1990 Jan 19) 1037 (1) 16-23.
 Journal code: AOW. ISSN: 0006-3002.
 CY Netherlands
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals; Cancer Journals
 EM 199004

L8 ANSWER 17 OF 22 EMBASE COPYRIGHT 1998 ELSEVIER SCI. B.V.

AN 1998272316 EMBASE
 TI Overexpression, purification, and stereochemical studies of the recombinant (S)-adenosyl-L-methionine: .DELTA.(24(25))- to .DELTA.(24(28))-sterol methyl transferase enzyme from *Saccharomyces cerevisiae*.
 AU Nes W.D.; McCourt B.S.; Zhou W.-X.; Ma J.; Marshall J.A.; Peek L.-A.; Brennan M.
 CS W.D. Nes, Dept. of Chemistry and Biochemistry, Texas Tech University, Lubbock, TX 79409, United States. u0nes@ttacs.ttu.edu
 SO Archives of Biochemistry and Biophysics, (1998) 353/2 (297-311).
 Refs: 60
 ISSN: 0003-9861 CODEN: ABBIA4
 CY United States
 DT Journal; Article
 FS 004 Microbiology
 LA English
 SL English

L8 ANSWER 18 OF 22 EMBASE COPYRIGHT 1998 ELSEVIER SCI. B.V.
 AN 97373679 EMBASE
 DN 1997373679
 TI Characteristics and genetic determinants of bacteriocin activities produced by *Carnobacterium piscicola* CP5 isolated from cheese.
 AU Herbin S.; Mathieu F.; Brule F.; Branlant C.; Lefebvre G.; Lebrhi A.
 CS S. Herbin, Lab. Microbiol. Indust./Alimentaire, Inst. Natl. Polytechnique Lorraine, Ecole Sup. Agronom./Indust. Aliment., 2 Av. de la Foret de Haye, 54500 Vandoeuvre les Nancy, France. herbin@enzaiz.u-nancy.fr
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 TI Galactofuranose biosynthesis in *Escherichia coli* K-12: Identification and cloning of UDP-galactopyranose mutase.
 AU Nassau P.M.; Martin S.L.; Brown R.E.; Weston A.; Monsey D.; McNeil M.R.; Duncan K.
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 CS Department of Microbiology, Kagawa Medical School, Miki-cho, Kita-gun, Kagawa 761-07, Japan
 SO Infection and Immunity, (1996) 64/1 (230-237).
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Notkestrasse 85, W-2000 Hamburg 52, Germany, Federal Republic of
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CS Pfizer Central Research, Eastern Point Road, Groton, CT 06340,
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